



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/053,602	01/24/2002	Narihiro Arai	17548/01	5251

21254 7590 03/27/2006

MCGINN INTELLECTUAL PROPERTY LAW GROUP, PLLC  
8321 OLD COURTHOUSE ROAD  
SUITE 200  
VIENNA, VA 22182-3817

EXAMINER

NGUYEN, DUNG X

ART UNIT

PAPER NUMBER

2611

DATE MAILED: 03/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/053,602	<b>Applicant(s)</b> ARAI, NARIHIRO	
	<b>Examiner</b> Dung X. Nguyen	<b>Art Unit</b> 2638	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 24 January 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1 - 8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1 - 8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***DETAILED ACTION***

***Claim Objections***

1. **Clams 1, 4, 6 – 8 are objected** because the following informalities:

**Regarding claim 1**, “said longest delay data signal detection circuit” as recited in lines 10 and 11 should be changed to “said longest delay data detection circuit” so as to be consistent with the same limitations recited in line 7.

**Regarding claim 4**, it is suggested changing “said flip-flop circuit” to “each flip-flop circuit of the plurality of flip-flop circuits”.

**Regarding claim 6**, “a reset signal” as recited in line 4 should be changed to “the reset signal” since such limitation has been recited in line 11 of claim 1.

**Regarding claim 7**, “a plurality of flip-flop circuits” as recited in lines 6 and 7 should be changed to “a plurality of first flip-flop circuits”; “said flip-flop circuits” as recited in lines 8 and 9 should be changed to “said first flip-flop circuits”; “a flip-flop circuit” as recited in line 10 should be changed to “a second flip-flop circuit”; so as to improve clarity of the claim.

**Regarding claim 8**, “elastic store memory” as recited in line 3 should be changed to “elastic store memories”.

Appropriate correction is required.

***Allowable Subject Matter***

2. **Claims 1 – 8 would be allowable** if rewritten to overcome the rejection(s), set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

**Regarding to the claimed invention**, the prior art of record fails to show or render obvious of an the data receiving method, comprising:

- Receiving data from a plurality of transmission lines and storing the data in the elastic store memory;
- Receiving a clock and frame pulse corresponding the data;
- Receiving a frame pulse by the AND circuit and detecting the last received data, and reading the data from each elastic store memory according to the signal based on the output from the AND circuit and the read clock.

***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hwang et al. (US patent application publication # 2002/0107985 A1) discloses a data service via wireless mobile devices.

Isoda (US patent # 5,517,248) discloses a frame-frequency converting apparatus for a video signal resulting from 2-3 conversion of original picture information.

Adkins et al. (US patent # 6,865,241 B1`) discloses a method and its corresponding apparatus for sampling digital data at a virtually constant rate, and transferring that data into a non-constant sampling rate device.

4. This application is in condition for allowance except for the following formal matters:

Art Unit: 2638

The objection(s) has been described in paragraph # 1 above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

***Contact Information***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung X. Nguyen whose telephone number is (571) 272-3010. The examiner can normally be reached on Monday through Friday from 8:00 AM to 16:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Fan, Chieh M. can be reached on (571) 272-3042. The fax phone numbers for this group is (571) 273-3021.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

DXN

February 11, 2006

  
CHIEH M. FAN  
SUPERVISORY PATENT EXAMINER